Name of Work : - 1.Improvements to roads Drains and other Devlopmental Works in Maruthinagara Ward No 01 Under SWM Head in Chief Nava Nagarottana Grant of Yelahanka Division Packago - 05.

Name of Contractor :- M/S Benaka Developers and Projects Pvt Ltd

Estimated cost: 1000.00 Lakh

Amount put to Tender as per Sanction : 83199838.86

Agreement No. BBMP/EE/YNK/E-PMT No. 12/AG/21/2020-21 dated 20/05/2020

Accepted Tendered Amount : 87360488.09

Job Code / Indent No :- 001-20-000018

Head of Account : C M Nava Nagarothana Scheme

RATE ANALYSIS -Work Slip- WORKS (PWD CSR 2018-19 issue rate 20-05-2020)

Sl No	Item Code	Page No	Description of work	Unit	Basic Rate / Issue Rate	Lift charges	Total	AW @ 6%	Total Rate	Add T.P (+) 5%	Final Rate.
1			2	3							
1	19.14	143	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications MORTH Specificatio MORTH Specification No.301 (I No-19.14,P No-143)	cum	41.00	77.48	118.48	7.11	125.59	6.28	131.87
7	5.33	27	Removing and Refixing of stone slabs of drains and poiting in CM(1:3) Page No.27 It No.5.33	sqm	105.00		105.00	6.30	111.30	5.57	116.87
16	20.18	155	KSRRB M400-17. Providing, laying,spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired surface and compacting with vibratory roller to achive the desired density complete as per specifications.MORTH Specification No.406 (I No-20.18,P No-155)	cum	1,888.00		1888.00	113.28	2001.28	100.06	2101.34
17	21.6	158	KSRRB M500-6 Providing and applying primer coat with S.S bitumen emulsion on prepared surface of granular base such as WMM including of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. Clause 502 of MORTH V revision .Item No.- 21.6 ,Page No.158	sqm	25.00		25.00	1.50	26.50	1.33	27.83

Sl No	Item Code	Page No	Description of work	Unit	Basic Rate / Issue Rate	Lift charges	Total	AW @ 6%	Total Rate	Add T.P (+) 5%	Final Rate.
1			2	3							
19	21.17.2	160	KSRRB 500-17 Provding and laying dense geaded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 505 of MORTH V revision 21.17.6 - do- using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75mm) with 4.5 % VG-30 Bitumen ,(Item No-21.17.2 , Page No-160)	cum	5,583.00		5583.00	334.98	5917.98	295.90	6213.88
20	21.7	158	KSRRB M500-6.Providing and applying Tack coat using 80/100 bitumen(VG 10) on prepared black topped surface at 2.5 kg per 10 sqm,heating bituman in boiler fitted with spray set (excluding cleaning of road surface)including cost of materials,labour, HOM complete as per specifications. Clause 503 of MORTH V revision .Item No.-21.7 ,Page No.158	sqm	12.00		12.00	0.72	12.72	0.64	13.36
21	21.78.12	171	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laing with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision as per IRC SP-53-2015. ,using 40-60 TPH capacity HMP with mechanical paver II(30-45mm) with 5.4% of modified bituminous binder consisting of 4.97% of VG-30 bituminous (60/70grade) and 0.43% of plastomeric thermoplastics (Waste plastic)Pg No-171.It No.21.78.12	cum	6,379.00		6379.00	382.74	6761.74	338.09	7099.83

TEJUS CONSULTANTS

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

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